

133057

RECORD OF COMMUNICATION		<input checked="" type="checkbox"/> PHONE CALL	<input type="checkbox"/> DISCUSSION	<input type="checkbox"/> FIELD TRIP	<input type="checkbox"/> CONFERENCE
		<input type="checkbox"/> OTHER (SPECIFY)			
(Record of item checked above)					
TO:	PRP's	FROM:	Laura Boorayyan, EPA		
SUBJECT	NPL Update 4				
<b>PFC</b>					
DATE 9/18/85 TIME 9:30-12:00 am					

ORIGINAL  
(Red)

## SUMMARY OF COMMUNICATION

I made a phone call to all the PRPs for Update 4 sites. To each person I explained today's announcement by Headquarters, the publication in the Federal Register which should be in about 10 days, and the 60-day public comment period following publication. I gave them EPAs address to request HRS packages under the FOIA.

- ① Harbucks Corp. - Revere Chemical site - (301)679-9191  
Stancill and Parker out of town. Left message with Secretary, Mrs. Gebhart.
- ② Bendix Flight Systems, South Montrose, PA (717)278-6161  
Celeste Miller, our prior contact person, was not in. Left message with her supervisor, Richard Selders (Mgr. Employee Relations).
- ③ C+D Recycling - Joseph Brenner, property owner (717)454-8706
- ④ Rt. 940 Drum Dump (late Pocono Summit) - Jack Kelins, owner (717)839-8896  
Mr. Kelins on jury duty. Left message with his secretary, Julie Heiny.
- ⑤ Halby Chemical - Bob Shockley, property owner (302)656-5428

## CONCLUSIONS, ACTION TAKEN OR REQUIRED

- ⑥ Standard Chlorine - (302)834-4536  
Tony Sinibaldi, Sr. V.P., out this week. Left message with Tom Pierson, Plant Mgr.

I also called Delaware DNREC - Bill Razon told me to talk to Bob Pickett - left message with him.

## INFORMATION COPIES

TO: files ① PA-1015 ② PA-819 ③ PA-1077 ④ (PA-1144) ⑤ DE-67 ⑥ DE-53

AR100145

HRS Cover Sheet : "U.S. EPA conducted an SI in April 1983"? Does this refer to the Emergency Removal actions? I would like some mention of the removal. Also, some kind of summary of state actions currently underway.

Lat/Long values. The Module 2 application (App 1) lists  $41^{\circ}6'39''$  and  $75^{\circ}22'22''$  - which is more accurate?

### GROUND WATER ROUTE

#### Depth to Aquifer of Concern

Name / description of aquifer of concern :

- List applicable references at end of the section
- Could be written more clearly. Does q1 describe the shallow unconfined aquifer and q2 the bedrock aquifer? What is the name of the formation underlying the site? Either this section (preferably) or the section on population served should address the hydro. issues listed on the attached sheet. Make sure these are clearly addressed. (p1 of BCM says Pickerton Fm. Is this same for 3-mile radius?)\*
- Include in Ref. 5 the map from the state showing the domestic well locations

The next 2 sections were omitted - depth from ground surface to highest seasonal level of the saturated zone of the aquifer of concern, and the depth from the ground surface to the lowest point of waste disposal/storage. Please include these sections, along with the final value assigned for depth to aquifer of concern. (Know depth of buried drums?)

Apparently you're using 0-20 feet as the depth, which I assume is depth to the unconsolidated aquifer water table. Below that is the bedrock aquifer, from which most of the water is drawn. If you are considering the upper + bedrock aquifers as one hydrogeologic unit, \*because of the vertical migration potential\*, clearly state this. (Module 2 application page 9 states minimum depth to water table = 16.3 ft.)

#### Net Precipitation

Would prefer you put "approx. 47" since you're interpolating the value.

#### Permeability of the Unsaturated Zone

Soil type : Cite specific page number(s) of BCM report.

Permeability : shouldn't this reference be #1? Or does BCM report have a permeability rate statement.

#### Physical State

Add the fact that wastes were drummed (Ref 2, p 1). Should know waste type from ~~EPA Emergency people~~.

\* p1 of BCM report says the Pickerton not an important aquifer. What is qw "path" they're talking about? Do we disagree with them on the importance? Nevermind - they know ~~themselves~~.

## Containment

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(Red)

Either document the fact that the drums were crushed and leaking and that no liner was present, ~~or~~ say that soil samples collected beneath the drum burial area showed elevated organic contamination by organic chemicals → therefore no containment. Reference 2, page 3 and Appendix 5.

## Toxicity / Persistence

Would prefer that you list here the most toxic compounds. Please include:

chloroform 18  
tetrachloroethane 18  
carbon tetrachloride 18  
benzene 12  
TCE 12

Must reference Sox for this, not HRS manual. Include the relevant pages from Sox (incl. a title page) as a separate reference.

## Hazardous Waste Quantity

According to pp. 1+2 of Ref 2, Appendix 5, the 130 cu.yds. of material that was removed included drums, along with soil + liners. This is double counting of the drums. Since we do have waste quantity estimates of ~600 drums, go with that. Delete statement referring to soil excavation. This would change the value to 4. Delete the Ref. to page Appendix 5 of Ref. 2 - but leave p. 1 of Ref. 2 in.

You may want to present the alternative approach, i.e., to count the amount of excavated material (130 cu.yds)<sup>from A,B,C areas</sup> instead of counting the drums originally deposited on site. Value would still be 4.

## TARGETS

### Ground Water Use

As mentioned in comments on aquifer of concern, must name the aquifer and show that wells within a 3-mile radius draw from this same aquifer.

### Distance to Nearest Well

Ref 2 p 4, I can't find Summit Tool, nor can I find it in Ref 6. Document distance. Will also need documentation of the fact that they use it for drinking purposes. (The map showing location of nearest well must be to scale.) Use appropriate references. (I also don't see Secr. 3.1.4 of Ref 2)

b Did you mean Sect 3 a.3 of Ref 2, Appendix 4? Still must document use for drinking. Data sheet in Ref 5 says "sanitary use"

AR100147

Population Served by Groundwater

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State that all homes within a 3-mile radius ~~are served~~ use groundwater for drinking, either from domestic wells or small public supply wells. There are no surface water supplies in the area. (This is to justify why you counted houses instead of finding population served by each water company.)

Total population served

Could be stated more clearly: eg:

Counted houses within a 3-mile radius = 1093

Counted houses outside 3-mile radius = 81

but served by well located within  
3-mile radius

$$\begin{array}{rcl} 1174 \text{ homes} & \times & 3.8 \text{ persons/home} = \\ & & 4461 \text{ persons} \end{array}$$

Value = 4

AR100148

Ground Water Observed Release

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Why wasn't this scored on observed release?

The following compounds were found in soil samples and monit. well samples:

xylanes

(1984)

benzene

toluene

chlorobenzene

1,3-dichlorobenzene

Other compounds found in monit. wells on site:

\* 1,1-dichloroethane

(Nothing found in W3)

\* trans-1,2-dichloroethylene

by BCM

\* 1,1,1-trichloroethane

\* trichloroethylene

chloroform

1,2-dichloroethane

\* tetrachloroethylene

\* also found in residential well(s)

The locations of the wells with hits, should be mapped to look for trends. Should include:

✓ Summit Tool  
✓ Kalins  
✓ M+G Convey  
✓ Pocono Manor Water Supply

Carriage House

C+C Service

Florence Lutz

Joe Heno

Rossi

Scott

Stydunder

Wiscasit Water Supply

M+G Chrysler Terminal

✓ Cognato

Kalins Spruce Drive home

Miller

Texaco

Stillman

✓ = hit

AR100149

NOV 1 1984

GW 1

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**Ground Water Migration**

This route does not have to be evaluated if the ground water containment HRS value on page 5 is zero.

Attach a map of the site that indicates the various sampling points and well depths for ground water.

Note that the HRS scores in part 4.2 are to be assigned only after the identification of the aquifer of concern (part 4.4).

## **4.1 Hydrogeology**

Description of strata from surface to the deepest aquifer of concern (names, thickness, type of material):

Information on the probable presence or absence of confining layers to vertical migration within 3 miles of the site:

Barriers to horizontal migration of ground water within 3 miles of the site (e.g., rivers). These barriers should be identified on a map of the site:

Discharge and recharge areas within 3 miles of the site, if known. These areas should be identified on a map of the site:

If 2 or more aquifers are considered to be hydrologically connected or to function as a single hydrological unit within a three-mile radius of the site, summarize the evidence here, with references, and, if necessary, include reference to a more detailed memorandum to file.

## SURFACE WATER ROUTE

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### Facility Slope and Intervening Terrain

- Reference 6 not adequate. Must have a scale and be legible. Ref. 2 pg. 2 should suffice.
- Show calculation of average slope of facility.
- Name/desc. of nearest downslope surface water: don't mention the intermittent stream. Slope should be based on nearest perennial stream.
- Reference the last 2 sections, about the facility not being in surface water or surrounded by areas of higher elevation.

### Distance to Nearest Downslope Surface Water

Don't use Ref. 6

### Physical State of Waste + ~~contaminants~~

You could just put "See Groundwater Route Section."

Or else add the reference here.

ditto

### Containment

Your logic here for containment applies to groundwater, not surface water.

Refer to Users Manual for surface water containment. Based Choose one of the categories from "Containers" or "Landfill." Diversion structures? State more clearly method with highest score.

### Toxicity and Persistence

Just put "See Groundwater Route Section" or else make the same changes indicated in Groundwater Route comments.

### Hazardous Waste Quantity

ditto

### Population Served by Surface Water

Instead of N/A, state "no known use of surface water for drinking water within 3 miles of site"

Same for irrigation.

### Distance to Sensitive Environment

Bogusatory statements should be homogeneous.

AR100151

DIRECT CONTACT

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Observed Incident

Could just put here something like :

The Center for Disease Control collected information on adverse health effects experienced by people who worked on site or spent time adjacent to the site. The report cites six cases which represent a self-selected from persons who disclosed information on their health effects after realizing a potential for chemical exposure from the site. In addition, three state employees became ill with symptoms suggestive of respiratory tract irritation after working on-site. While the waste itself has been removed along with much of the contaminated soil, there appears to be some contaminated soil remaining.

Value = 45

Ref. 4 and 13

Containment

Toxicity

The values listed here are not consistent with those in Groundwater section.  
Please correct the tox values.

Pop. within 1-mi. radius

Just list Ref. number 6. No need to cite the maps used.

AIR

Could use better documentation - at least phone call to DER.

AR100152

References

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Ref 3 - last pt refers to shaded area which isn't shaded. Just say "the area between the distribution area of Fairview and the site 3-mile radius." No need to shade it.

Ref 5 - add state map showing domestic well locations. → [Organic data sheets - put all samples per residence together. Remove sheets for metal/phenol sampling and delete Waste Water Quality Reports.]  
for which soil samples were collected

Ref 6 - map needs scale + credits.

Ref 9 - needs a key. MP 22  
Well 295  
W3  
↑  
monitoring well } what do these mean? Also label lines denoting  
water table, surface topography. Explain symbols.  
Axis of elevation (HSL)

Ref 11 - better Xerox copy needed

Table of Refs

Ref 6 - add (1) 7.5' series...  
(2) US Geological Survey, not Geographical  
(3) dates of maps, including dates of photorevisions

Add Sax reference.

AR100153